Cost Estimating and Cost Management Project
Elements of Total Project Cost Estimate

Base Estimate Elements

1. Pre-Letting Engineering: Internal—Mn/DOT
2. Pre-Letting Engineering: External—Consultants
3. Construction Engineering: Internal—Mn/DOT
4. Construction Engineering: External—Consultants
5. Project Construction Cost
   • Per Scoping Report (e.g., roads, bridges, approaches, and other structures)
   • Contractor Work (e.g., staking, creation of machine control, landscaping and retaining walls)
6. Detours and Haul Roads
7. Pre-Letting Traffic Management: Enforcement and Incident Mgt
8. Construction Traffic Management: Extraordinary Enforcement and Incident Mgt
9. Pre-Letting Communications/Public Information
10. Construction Communications/Public Information
11. Right of Way
12. Utilities
13. Railroads
14. Municipal/Local Issues
15. Turn-Backs: Before
16. Turn-Backs: After
17. Landscaping
18. Environmental Clean-Up/ Mitigation
19. Incentives (moves to Construction Contingency after Letting)

Contingency

Pre-Letting Contingency:
   • Total for Base Estimate Elements

Post-Letting (Construction) Contingency:
   • Supplemental Agreements
     – Change Orders
     – Cost Overruns
     – Incentives

Total Project Cost Estimate = Base Estimate + Contingency